

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application.

1-13. (Canceled)

14. (Currently Amended) A eukaryotic cell comprising heterologous DNA coding for a modified cargo receptor that is characterized by an alteration of at least one amino acid, relative to a native cargo receptor, wherein the alteration is in the sequence of the native cargo receptor's carbohydrate recognition domain, between amino acid residues 152 and 160 of SEQ ID NO: 2, exclusive of the conserved residues at positions 152 and 156, or between amino acid residues 162 and 170 of SEQ ID NO: 4, exclusive of the conserved residues at positions 162 and 166 in its carbohydrate recognition domain, such that (i) said cell expresses a glycoprotein with a modified carbohydrate moiety comprising at least one glycoform selected from the group consisting of D-Gal, D-Man, D-Glc, D-GlcNAc, L-Fuc, SA, and D-GalNAc; and (ii) the modified cargo receptor is capable of selectively transporting the glycoprotein in said cell.

15. (Previously Presented) A eukaryotic cell according to claim 14, wherein said glycoprotein is a membrane-bound protein or a secretory protein.

16. (Canceled)

17. (Previously Presented) A plurality of eukaryotic cells, wherein each cell of said plurality is a cell according to claim 14, such that said plurality expresses a variety of glycoproteins with different carbohydrate moieties.

18. (Previously Presented) A plurality of eukaryotic cells according to claim 17, wherein said plurality is enriched for eukaryotic cells that express glycoprotein characterized by a particular glycoform.

19. (Withdrawn) A method for producing a glycoprotein, comprising culturing of a eukaryotic cell according to claim 14 and then collecting said glycoprotein from said cell.

20. (Withdrawn) A method according to claim 19, further comprising cleaving said glycoprotein to release an oligosaccharide.

21. (Withdrawn) A method for screening for a test substance, comprising bringing said test substance into contact with a eukaryotic cell according to claim 14 and then detecting the presence or absence of an interaction between said test substance and said glycoprotein.

22. (Canceled)

23. (New) A eukaryotic cell according to claim 14, wherein said cell is an animal cell.

24. (New) A plurality of eukaryotic cells according to claim 17, wherein said cell is an animal cell.